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TB4-430

Magnet Crane Cable * Type W
Two Conductor * 600-2000 Volts
Type W 600-2000 Volt 90 C



Conductors

Bunched strands of tinned annealed copper per ASTM B33. Stranding other than those listed in the table are available upon special order

Insulation

Ethylene-Propylene rubber (EPR) per ICEA S-95-658 and ASTM D-2802. Insulation material color coded through AWG size #2. Larger sizes are coded with fabric tape wraps. One black, one white.

Separator

A suitable separator provides for easy stripping of insulation

Fillers

Fibrous filler provides great impact resistance and flexibility. Rubber fillers are available upon special order.

Jacket

Flame retardant, oil and sunlight resistant Chlorinated Polyethylene (CPE). Reinforced, two layer jacket construction is used on AWG size 4/0 and larger cables. Black standard. Consult factory for colored jackets

Application

Tiger Brand Type W 600-2000 Volt two conductor cables are recommended for installations where long flex life, greater flexibility and wearability are desired. Applications include heavy duty or temporary power supply service, AC or DC, to motor or generators, portable and stationary heavy duty equipment, cranes, conveyors and other mobile equipment. They may be installed in air, in ducts, immersed in water or directly buried in the earth. However they are not UL Type USE. For cables requiring reduced flame propagation, refer to the factory.

Features

Suitable for continuous operating temperatures of 90 C

Suitable for use in festoons, suspended loops and power tracks.

Suitable for use on Payout and Retractable reels (P & R)

Heavy Duty jacket offers excellent protection against abrasion, impact, heat, oil, flame, ozone, alkali and acids.

Extremely flexible stranding used for increased flexibility and ease of installation.
 Dual Rated 600v and 2kv

Ratings & Approvals

UL Listed as Type W

UL Listed as Type TC

ASTM B-33: Standard Specification for Tinned Soft or Annealed Copper Wire for Electrical Purposes

ASTM D2802: Standard Specification for Ozone-Resistant Ethylene-Alkene Polymer Insulation for Wire and Cable

ICEA-S-68-516/NEMA WC-8: Ethylene-Propylene Rubber Insulated Wire and Cable for the Transmission and Distribution of Electrical Energy

ICEA-S-95-658/NEMA WC-70: Nonshielded Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy

MSHA P-184

Flame Resistance: FT4

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Convert to Metric units

Product Code	Size AWG / kcmil	Number of Wires per Conductor	Insulation Thickness (mils)	Jacket Thickness (mils)	Outside Diameter (inches)	Approx. Weight (lbs/1000ft)	Ampacity - 90 C / 40 C
37430008	8	133	0.060	0.109	0.830	369	74
37430006	6	133	0.060	0.109	0.960	518	99
37430004	4	133	0.060	0.109	1.080	715	130
37430002	2	259	0.060	0.141	1.280	1045	174
37430010	1/0	266	0.080	0.156	1.560	1464	234
37430020	2/0	342	0.080	0.156	1.660	1788	271
37430040	4/0	532	0.080	0.172	1.973	2530	361
37403250	250	627	0.095	0.165	2.100	2664	402
37430350	350	888	0.095	0.176	2.360	3854	495
37430500	500	1221	0.095	0.214	2.700	5191	613

NOTE :
Cable diameters are subject to a +/- 5% manufacturing tolerance.
Ampacity based on 90 C continuous conductor temperature in 40 C ambient air

Sizes #8 through #1/0 AWG are labeled 'MAGNET CRANE CABLE'.

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